

What is claimed is:

1. An image printing apparatus, comprising:

a conveyance-printing section wherein printing is performed onto the recording medium sheet while a recording medium sheet is conveyed;

a plurality of black printing heads which are mounted above the conveyance-printing section, and are aligned perpendicular to a conveyance direction of the recording medium sheet, to jet image-setting black ink drops onto the recording medium sheet for printing from above; and

a plurality of color printing heads which are mounted above the conveyance-printing section, and are aligned perpendicular to the conveyance direction of the recording medium sheet, to jet image-setting color ink drops onto the recording medium sheet for printing from above;

a first light radiating device which is mounted above the conveyance-printing section, and is arranged downstream of the black printing heads with respect to the conveyance direction of the recording medium sheet, and which radiates ultraviolet rays to harden the image-setting black ink drops landed onto the recording medium sheet; and

a second light radiating device which is mounted above the conveyance-printing section, and is arranged downstream of the color printing heads with respect to the conveyance direction of the recording medium, and which radiates the ultraviolet rays to harden the image-setting color ink drops landed onto the recording medium sheet.

2. The image printing apparatus in claim 1,

wherein the first light radiating device is arranged downstream of the black printing heads and upstream of the color printing heads, with respect to the conveyance direction of the recording medium sheet, and

wherein the first light radiating device radiates ultraviolet rays to harden the image-setting black ink drops landed onto the recording medium sheet, before the image-setting color ink droplets are jetted onto the recording medium sheet.

3. The image printing apparatus in claim 1,

wherein the second light radiating device is arranged downstream of the color printing heads, and upstream of the black printing heads, with respect to the conveyance direction of the recording medium sheet, and

wherein the second light radiating device radiates ultraviolet rays to harden the image-setting color ink drops landed onto the recording medium sheet, before the image-setting black ink droplets are jetted onto the recording medium sheet.

4. The image printing apparatus in claim 1,

wherein energy of the ultraviolet rays radiated from the second light radiating device onto the image-setting color ink drops is greater than energy of the ultraviolet rays radiated from the first light radiating device onto the image-setting black ink drops.